

ENDOLUMINAL IMPLANT WITH THERAPEUTIC AND DIAGNOSTIC
CAPABILITY

ABSTRACT OF THE DISCLOSURE

An apparatus includes an endoluminal implant, a RF coupling coil coupled to the endoluminal implant and a therapeutic transducer electrically coupled to the RF coupling coil and physically coupled to the endoluminal implant. The RF coupling coil supplies electrical power to the therapeutic transducer. The therapeutic transducer has a capability for delivering therapeutic energy to a lumen disposed within the endoluminal implant in response to signals coupled via the RF coupling coil.